FINAL REPORT

Date: November 27, 2000

Title: Earth Remote Sensing Facilities for Research and Teaching at the State University of New York.

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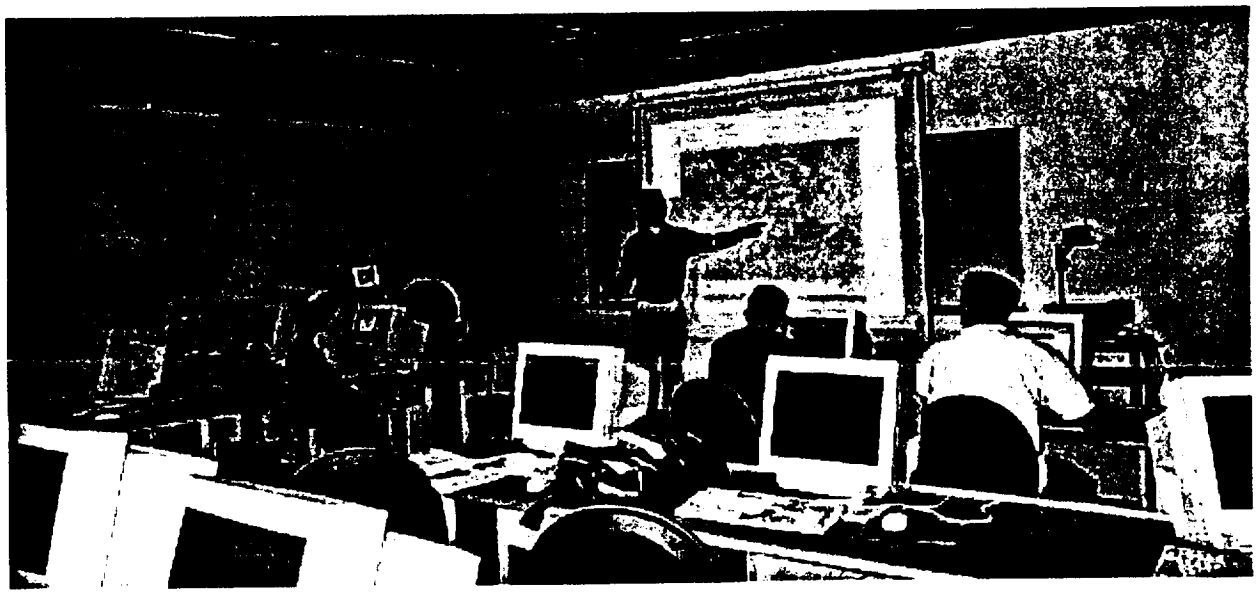
This final report describes the remote sensing facility that was put into place at the State University of New York (SUNY) through the support obtained from the above referenced NASA award and the associated matching funds from SUNY.

Funds were used to convert a conventional classroom at the Marine Sciences Research Center into the proposed remote sensing laboratory/classroom. This involved minor rehabilitation to the room (e.g., paint, electrical, doors) and the acquisition of tables and chairs to seat twenty students. The computer hardware for this room involved the purchase of 20 Dell Optiplex PCs running Windows NT and one Dell Poweredge server. Auxiliary equipment involved an overhead video projector, color printer, black and white printer and color copier. In addition, 8 Mac systems and a black and white printer were purchased and incorporated into our graduate research laboratories to facilitate teaching and research of specific remote sensing research topics. Software acquisitions for the above systems included Erdas, Matlab, Xten and Noesys. Finally, a small portion of the funds were used to help acquire a real-time satellite receiving system capable of obtaining data from the NASA SeaWiFs and NOAA polar-orbiting weather satellites. The picture below shows the remote sensing laboratory described above.



Thus far, the remote sensing classroom has been used to teach our undergraduate remote sensing class for three semesters. In addition, this facility has been used to teach a number of undergraduate weather analysis and ocean physics classes, as well as a graduate class on spatial data analysis.